

SEQUENCE LISTING

<110> Murphy, et al.

<120> METHODS OF MODIFYING EUKARYOTIC CELLS

<130> REG 780BZ

<140> Not Yet Known

<141> Filed Herewith

<150> 09/784,859

<151> 2001-02-16

<150> 09/732,234

<151> 2000-12-07

<150> 60/244,665

<151> 2000-10-31

<160> 6

<170> PatentIn version 3.0

<210> 1

<211> 25

<212> DNA

<213> Artificial

<220>

<223> Mouse OCR10 gene primer

<400> 1
agctaccaggc tgccatgtcg ggcag 25

<210> 2

<211> 28

<212> DNA

<213> Artificial

<220>

<223> Mouse OCR10 gene primer

<400> 2
ctccccagcc tgggtctgaa agatgacg 28

<210> 3

<211> 24

<212> DNA

<213> Artificial

<220>

<223> Mouse OCR10 gene primer

<400> 3
gacctcactt gctacactga ctac 24

```

<210> 4
<211> 28
<212> DNA
<213> Artificial

<220>
<223> Mouse OCR10 gene primer

<400> 4
acttgtgttag gctgcagaag gtctcttg                                         28

<210> 5
<211> 1799
<212> DNA
<213> Artificial

<220>
<223> Mouse OCR10 cDNA

<400> 5
ccccgggctt cctgttctaa taagaatacc tcctaggtcc cccatggct aacctcatct      60
ttggtactca acaggggtct tctttatgag cttcggacca gctctttga tgtggcaggg      120
actgaccctg ggtggggaag ccactcagtg catgacccca gctggttcac cacatatacc      180
acataactttt cttgcaggtc tgggacacag catgccccgg ggcccagtgg ctgccttact      240
cctgctgatt ctccatggag cttggagctg cctggacctc acttgctaca ctgactacct      300
ctggaccatc acctgtgtcc tggagacacg gagccccaaac cccagcatac tcagtctcac      360
ctggcaagat gaatatgagg aacttcagga ccaagagacc ttctgcagcc tacacaagtc      420
tggccacaac accacacata tatggtacac gtgccatatg cgcttgcgtc aattcctgtc      480
cgatgaagtt ttcattgtca acgtgacgga ccagtctggc aacaactccc aagagtgtgg      540
cagctttgtc ctggctgaga gcatcaagcc agctcccccc ttgaacgtga ctgtggcctt      600
ctcaggacgc tatgatatct cctggactc agcttatgac gaaccctcca actacgtgct      660
gagaggcaag ctacaatatg agctgcagta tcggaacctc agagaccct atgctgtgag      720
gccggtgacc aagctgatct cagtggactc aagaaaacgtc tctcctccct gaagagttcc      780
acaaagattc tagtaccatcg ctgcagatgc gggcagcgcc tcagccaggc acttcattca      840
gggggacctg gagtgagtggt agtgaccccg tcatcttca gacccaggct ggggagcccg      900
aggcaggctg ggaccctcac atgctgctgc tcctggctgt cttgatcatt gtcctggttt      960
tcatgggtct gaagatccac ctgccttggaa ggctatggaa aaagatatgg gcaccagtgc     1020
ccacccctga gagttcttc cagccccgt acagggagca cagcggaaac ttcaagaaat     1080
gggttaatac cccttcacg gcctccagca tagagttggt gccacagagt tccacaacaa     1140
catcagcctt acatctgtca ttgtatccag ccaaggagaa gaagttcccg gggctgccgg     1200

```

gtctggaaga gcaactggag tgtgatggaa tgtctgagcc tggtaactgg tgcataatcc	1260
ccttggcagc tggccaagcg gtctcagcct acagtgagga gagagaccgg ccatatggtc	1320
tggtgtccat tgacacagtg actgtggag atgcagaggg cctgtgtgtc tggccctgtta	1380
gctgtgagga ttagtggctat ccagccatga acctggatgc tggcagagag tctggtccta	1440
attcagagga tctgctcttg gtcacagacc ctgctttct gtcttggtc tgggtctcag	1500
gttagtggtct caggcttggg ggctcccaag gcagcctact ggacagggtt aggctgtcat	1560
ttgcaaagga aggggactgg acagcagacc caacctggag aactgggtcc ccaggagggg	1620
gctctgagag tgaagcaggt tccccccctg gtctggacat ggacacattt gacagtggct	1680
ttgcaggttc agactgtggc agccccgtgg agactgatga aggacccct cgaagctatc	1740
tccgccagtg ggtggtcagg acccctccac ctgtggacag tggagccag agcagctag	1799

<210> 6
 <211> 529
 <212> PRT
 <213> Artificial

<220>
 <223> Mouse OCR10 protein
 <400> 6

Met Pro Arg Gly Pro Val Ala Ala Leu Leu Leu Leu Ile Leu His Gly			
1	5	10	15
Ala Trp Ser Cys Leu Asp Leu Thr Cys Tyr Thr Asp Tyr Leu Trp Thr			
20	25	30	
Ile Thr Cys Val Leu Glu Thr Arg Ser Pro Asn Pro Ser Ile Leu Ser			
35	40	45	
Leu Thr Trp Gln Asp Glu Tyr Glu Glu Leu Gln Asp Gln Glu Thr Phe			
50	55	60	
Cys Ser Leu His Lys Ser Gly His Asn Thr Thr His Ile Trp Tyr Thr			
65	70	75	80
Cys His Met Arg Leu Ser Gln Phe Leu Ser Asp Glu Val Phe Ile Val			
85	90	95	
Asn Val Thr Asp Gln Ser Gly Asn Asn Ser Gln Glu Cys Gly Ser Phe			
100	105	110	
Val Leu Ala Glu Ser Ile Lys Pro Ala Pro Pro Leu Asn Val Thr Val			
115	120	125	
Ala Phe Ser Gly Arg Tyr Asp Ile Ser Trp Asp Ser Ala Tyr Asp Glu			
130	135	140	
Pro Ser Asn Tyr Val Leu Arg Gly Lys Leu Gln Tyr Glu Leu Gln Tyr			
145	150	155	160

Arg Asn Leu Arg Asp Pro Tyr Ala Val Arg Pro Val Thr Lys Leu Ile
165 170 175

Ser Val Asp Ser Arg Asn Val Ser Leu Leu Pro Glu Glu Phe His Lys
180 185 190

Asp Ser Ser Tyr Gln Leu Gln Met Arg Ala Ala Pro Gln Pro Gly Thr
195 200 205

Ser Phe Arg Gly Thr Trp Ser Glu Trp Ser Asp Pro Val Ile Phe Gln
210 215 220

Thr Gln Ala Gly Glu Pro Glu Ala Gly Trp Asp Pro His Met Leu Leu
225 230 235 240

Leu Leu Ala Val Leu Ile Ile Val Leu Val Phe Met Gly Leu Lys Ile
245 250 255

His Leu Pro Trp Arg Leu Trp Lys Lys Ile Trp Ala Pro Val Pro Thr
260 265 270

Pro Glu Ser Phe Phe Gln Pro Leu Tyr Arg Glu His Ser Gly Asn Phe
275 280 285

Lys Lys Trp Val Asn Thr Pro Phe Thr Ala Ser Ser Ile Glu Leu Val
290 295 300

Pro Gln Ser Ser Thr Thr Ser Ala Leu His Leu Ser Leu Tyr Pro
305 310 315 320

Ala Lys Glu Lys Lys Phe Pro Gly Leu Pro Gly Leu Glu Glu Gln Leu
325 330 335

Glu Cys Asp Gly Met Ser Glu Pro Gly His Trp Cys Ile Ile Pro Leu
340 345 350

Ala Ala Gly Gln Ala Val Ser Ala Tyr Ser Glu Glu Arg Asp Arg Pro
355 360 365

Tyr Gly Leu Val Ser Ile Asp Thr Val Thr Val Gly Asp Ala Glu Gly
370 375 380

Leu Cys Val Trp Pro Cys Ser Cys Glu Asp Asp Gly Tyr Pro Ala Met
385 390 395 400

Asn Leu Asp Ala Gly Arg Glu Ser Gly Pro Asn Ser Glu Asp Leu Leu
405 410 415

Leu Val Thr Asp Pro Ala Phe Leu Ser Cys Gly Cys Val Ser Gly Ser
420 425 430

Gly Leu Arg Leu Gly Gly Ser Pro Gly Ser Leu Leu Asp Arg Leu Arg
435 440 445

Leu Ser Phe Ala Lys Glu Gly Asp Trp Thr Ala Asp Pro Thr Trp Arg
450 455 460

Thr Gly Ser Pro Gly Gly Ser Glu Ser Glu Ala Gly Ser Pro Pro
465 470 475 480

Gly Leu Asp Met Asp Thr Phe Asp Ser Gly Phe Ala Gly Ser Asp Cys
485 490 495

Gly Ser Pro Val Glu Thr Asp Glu Gly Pro Pro Arg Ser Tyr Leu Arg
500 505 510

Gln Trp Val Val Arg Thr Pro Pro Pro Val Asp Ser Gly Ala Gln Ser
515 520 525

Ser